

**AMENDMENTS TO THE SPECIFICATION**

Please replace paragraph [0002] with the following:

- 5 The present invention relates to a projector, and more particularly, to a projector that can adjust relative positions ~~of an image~~ of an image modulator and a lens.

Please replace paragraph [0005] with the following:

- 10 Please refer to Fig.2. Fig.2 is a schematic diagram of an imaging principle. In general, the imaging principle includes transmitting light of an object 22 through a lens 24, and focusing an image 26 on a screen. The light beam parallel to the line L of the lens 24 is refracted across the focal point F of the lens 24. The light passing ~~though~~ through the center O of the lens 24 goes straight. An intersection point of the two light beams  
15 is the position of the image 26. A point A of the object 22 focuses on a point a of the screen. When the object 22 and the lens 24 are parallel, every point of the object 22 will focus on the screen to clearly form the image 26. When the object 22 and the lens 24 are not parallel, the light beam parallel to the line L of the lens 24 is refracted across the focus F of the lens 24, and light passing through the center O of the lens 24  
20 travels straight, and a point B of the object 22 will focus on a point b off the screen.

Please replace paragraph [0016] with the following:

- Fig.6 is a schematic diagram ~~showing a~~ showing a location of the image.  
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Please replace paragraph [0018] with the following:

- Please refer to Fig.3 to Fig.5. Fig.3 is a perspective view of a projector 30 according to the present invention. Fig.4 is a perspective view of a supporting frame 32 shown in  
30 Fig.3. Fig.5 is a top view of the supporting frame 32 of Fig.3. As shown in Fig.3, the projector 30 includes the supporting frame 32, a lens 34, a digital micromirror device (DMD) 36, a frame 38, a fixing device 40, and a conductive ~~plastic piece~~ plastic piece

42. The fixing device 40 is a circuit board electrically connected to the DMD 36 through the conductive plastic piece 42 installed in the frame 38. As shown in Fig.4, the supporting frame 32 includes a lens holding surface 50 and an object holding surface 52. The lens 34 is installed on the lens holding surface, and the DMD 36 is installed on the object holding surface. A key A key difference between the prior art and the present invention is that the supporting frame 32 according to the present invention uses flexible and deformable metal materials. The flexible and deformable metal materials can help in adjusting the positions of the DMD 36 and the lens to be parallel.

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Please replace paragraph [0019] with the following:

For easy adjustment, the object holding surface 52 of the supporting frame 32 includes a first fixed side 54, a second fixed side 56, a first elastic protrusion 58, and a second elastic protrusion 60. The first elastic protrusion 58 is between the first fixed side 54 and the second fixed side 56. The first elastic protrusion 58 has one edge connected to the first fixed side 54, and another edge forming edge forming a gap with the second fixed side 56. The second elastic protrusion 60 is also between the first fixed side 54 and the second fixed side 56. The second elastic protrusion 60 has one edge connected to the first fixed side 54, and another edge forming edge forming a gap with the second fixed side 56. The two elastic protrusions 58, 60 of the supporting frame 32 each have one edge not connected to the second fixed side to allow the elastic protrusions 58, 60 to deform easily when assembling the projector 30 to adjust the position of the DMD 36. The second elastic protrusion also can also have one edge connected to the second fixed side 56, and another edge forming a gap with the first elastic protrusion 54 58. Various modifications ~~that allow~~ that allow the object holding surface 52 to deform easily are also possible. In addition, the edge not connected to the second fixed side 56 of the first elastic protrusion 58 and the ~~second flexible 60~~ second elastic protrusion 60 are tilted toward the DMD 36, as shown in Fig.5, so that the elastic protrusions 58, 60 have more elasticity for adjustment.

Please replace paragraph [0020] with the following:

Please refer to Fig.6. Fig.6 is a schematic diagram of the location of the image. When installing the lens 34 and the DMD 36 according to the following steps, the placements of the lens 34 and the DMD 36 are ~~optimized with~~ optimized with the supporting frame 32. Assume four screw holes 62a, 62b, 62c, and 62d on the object surface 52 of the supporting frame 32 correspond to the four points a, b, c, and d of the screen 44 respectively.

10 Please replace paragraph [0022] with the following:

Step 110: Place the frame 38 between the DMD 36 and the fixing device 40, and use four screws 66a, 66b, 66c, and 66d to loosely screw the DMD 36, the ~~frame 38~~ frame 38, and the fixing device 40 to the object holding surface 52 of the supporting frame 32 from four holes 64a, 64b, 64c, and 64d on the back of the fixing device 40;

15 Please replace paragraph [0024] with the following:

Step 130: Tightly screw the screw 66a into the hole 64a of the fixing device 40, and loosely screw the screws ~~64b, 64c, and 64d~~ 66b, 66c, and 66d into the holes ~~66b, 66c, and 66d~~ 64b, 64c, and 64d, so that the first modulator side 46 of the DMD 36 is fixed on the first fixed side 54 of the supporting frame 32, and the second modulator side 48 of the DMD 36 is fixed on the second fixed side 56 of the supporting frame 32;

25 Please replace paragraph [0026] with the following:

Step 150: Adjust the screw 66b in the hole 64b to make the image at the point c of the screen 44 clear and focused, and similarly adjust the screws 66c, 66d in the holes 64c, ~~64d to 64d to focus the~~ focus the image at the points b, a of the screen 44;

30 Please replace paragraph [0028] with the following:

The edges not connected to the second fixed side 56 of the elastic protrusions 58, 60

are tilted toward the DMD 36, and tightly securing the screw 62a 66a tilts the elastic protrusions 58, 60 further. The DMD 36 is far from the lens 34 at the location of the loose screw 62b 66b. In the step 150, the screws 66b, 66c, and 66d are adjusted into the holes 64b, 64c, and 64d to deform the elastic protrusions 58, 60 ~~tilting~~ to tilt the

5 lens 34 until the image is clear and in focus on the screen 44.